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#2



OIKE

RAW SEQUENCE LISTING

DATE: 02/08/2002

PATENT APPLICATION: US/10/023,182

TIME: 17:14:59

Input Set : N:\Crf3\RULE60\10023182.txt

Output Set: N:\CRF3\02082002\J023182.raw

SEQUENCE LISTING

3 (1) GENERAL INFORMATION:

C--> 5 (i) APPLICANT: Stockert, Elisabeth; Jager, Elke;
6 Chen, Yao-tseng; Scanlan, Matthew;
7 Knuth, Alexander; Old, Lloyd J.

10 (ii) TITLE OF INVENTION: Antibodies Which Bind to NY-ESO-1 Cancer
11 Associated Proteins, Uses Thereof,
12 Truncated Forms of NY-ESO-1, and HLA
13 Binding Peptides Derived Therefrom

15 (iii) NUMBER OF SEQUENCES: 8

17 (iv) CORRESPONDENCE ADDRESS:
18 (A) ADDRESSEE: Fulbright & Jaworski, L.L.P.
19 (B) STREET: 666 Fifth Avenue
20 (C) CITY: New York City
21 (D) STATE: New York
22 (E) COUNTRY: USA
23 (F) ZIP: 10103

25 (v) COMPUTER READABLE FORM:
26 (A) MEDIUM TYPE: Diskette, 3.5 inch, 144 kb storage
27 (B) COMPUTER: IBM
28 (C) OPERATING SYSTEM: PC-DOS
29 (D) SOFTWARE: WordPerfect

31 (vi) CURRENT APPLICATION DATA:
C--> 32 (A) APPLICATION NUMBER: US/10/023,182
C--> 33 (B) FILING DATE: 17-Dec-2001

C--> 43 (vii) PRIOR APPLICATION DATA:
36 (A) APPLICATION NUMBER: 09/751,798
37 (B) FILING DATE: December 29, 2000
40 (A) APPLICATION NUMBER: 09/062,422
41 (B) FILING DATE:
44 (A) APPLICATION NUMBER: 08/725,182
45 (B) FILING DATE: October 3, 1996

47 (viii) ATTORNEY/AGENT INFORMATION:
48 (A) NAME: Hanson, Norman D.
49 (B) REGISTRATION NUMBER: 30,946
50 (C) REFERENCE/DOCKET NUMBER: LUD 5466.3

52 (ix) TELECOMMUNICATION INFORMATION:
53 (A) TELEPHONE: (212) 318-3168
54 (B) TELEFAX: (212) 752-5958

70 (2) INFORMATION FOR SEQ ID NO: 1:
72 (i) SEQUENCE CHARACTERISTICS:
73 (A) LENGTH: 752 base pairs
74 (B) TYPE: nucleic acid

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75          (C) STRANDEDNESS: single
76          (D) TOPOLOGY: linear
78          (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:
C--> 80 ATCCTCGTGG GCCCTGACCT TCTCTCTGAG AGCCGGGCAG AGGCTCCGGA GCCATGCAGG      60
82 CCGAAGGCCG GGGCACAGGG GGTTCGACGG GCGATGCTGA TGGCCAGGA GGCCCTGGCA      120
84 TTCCTGATGG CCCAGGGGGC AATGCTGGCG GCCCAGGAGA GCGGGGTGCC ACGGGCGGCA      180
86 GAGGTCCCCG GGGCGCAGGG GCAGCAAGGG CCTCGGGGCC GGGAGGAGGC GCCCCGCGGG      240
88 GTCCGCATGG CGGCGCGGCT TCAGGGCTGA ATGGATGCTG CAGATGCGGG GCCAGGGGGC      300
90 CGGAGAGCCG CCTGCTTGAG TTCTACCTCG CCATGCCTTT CGCGACACCC ATGGAAGCAG      360
92 AGCTGGCCCG CAGGAGCCTG GCCCAGGATG CCCACCGCT TCCCGTGCCA GGGGTGCTTC      420
94 TGAAGGAGTT CACTGTGTCC GGCAACATAC TGACTATCCG ACTGACTGCT GCAGACCACC      480
96 GCCAACTGCA GCTCTCCATC AGCTCCTGTC TCCAGCAGCT TTCCCTGTTG ATGTGGATCA      540
98 CGCAGTGCTT TCTGCCCGTG TTTTGGCTC AGCCTCCCTC AGGGCAGAGG CGCTAAGCCC      600
100 AGCCTGGCGC CCCTTCCTAG GTCATGCCTC CTCCCCTAGG GAATGGTCCC AGCACGAGTG      660
102 GCCAGTTCAT TGTGGGGGCC TGATTGTTTG TCGCTGGAGG AGGACGGCTT ACATGTTTGT      720
104 TTCTGTAGAA AATAAACTG AGCTACGAAA AA      752
107 (2) INFORMATION FOR SEQ ID NO: 2:
109      (i) SEQUENCE CHARACTERISTICS:
110          (A) LENGTH: 31 base pairs
111          (B) TYPE: nucleic acid
112          (C) STRANDEDNESS: single
113          (D) TOPOLOGY: linear
115      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:
117 CACACAGGAT CCATGGATGC TGCAGATGCG G      31
120 (2) INFORMATION FOR SEQ ID NO: 3:
122      (i) SEQUENCE CHARACTERISTICS:
123          (A) LENGTH: 32 base pairs
124          (B) TYPE: nucleic acid
125          (C) STRANDEDNESS: single
126          (D) TOPOLOGY: linear
128      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:
130 CACACAAAGC TTGGCTTAGC GCCTCTGCCC TG      32
133 (2) INFORMATION FOR SEQ ID NO: 4:
135      (i) SEQUENCE CHARACTERISTICS:
136          (A) LENGTH: 11 amino acids
137          (B) TYPE: amino acid
138          (D) TOPOLOGY: linear
140      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:
142 Ser Leu Leu Met Trp Ile Thr Gln Cys Phe Leu
143          5              10
146 (2) INFORMATION FOR SEQ ID NO: 5:
148      (i) SEQUENCE CHARACTERISTICS:
149          (A) LENGTH: 9 amino acids
150          (B) TYPE: amino acid
151          (D) TOPOLOGY: linear
153      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:
155 Ser Leu Leu Met Trp Ile Thr Gln Cys
156          5
159 (2) INFORMATION FOR SEQ ID NO: 6:

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161      (i) SEQUENCE CHARACTERISTICS:
162          (A) LENGTH: 9 amino acids
163          (B) TYPE: amino acid
164          (D) TOPOLOGY: linear
166      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:
168 Gln Leu Ser Leu Leu Met Trp Ile Thr
169          5
172 (2) INFORMATION FOR SEQ ID NO: 7:
174      (i) SEQUENCE CHARACTERISTICS:
175          (A) LENGTH: 6 amino acids
176          (B) TYPE: amino acid
177          (D) TOPOLOGY: linear
179      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:
181 Leu Leu Met Trp Ile Thr
182          5
185 (2) INFORMATION FOR SEQ ID NO: 8:
187      (i) SEQUENCE CHARACTERISTICS:
188          (A) LENGTH: 180
189          (B) TYPE: amino acid
190          (D) TOPOLOGY: linear
192      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:
194 Met Gln Ala Glu Gly Arg Gly Thr Gly Gly Ser Thr Gly Asp Ala Asp
195          5              10              15
197 Gly Pro Gly Gly Pro Gly Ile Pro Asp Gly Pro Gly Gly Asn Ala Gly
198          20              25              30
200 Gly Pro Gly Glu Ala Gly Ala Thr Gly Gly Arg Ala Pro Arg Gly Ala
201          35              40              45
203 Gly Ala Ala Arg Ala Ser Gly Pro Gly Gly Gly Ala Pro Arg Gly Pro
204          50              55              60
206 His Gly Gly Ala Ala Ser Gly Leu Asn Gly Cys Cys Arg Cys Gly Ala
207 65              70              75              80
209 Arg Gly Pro Glu Ser Arg Leu Leu Glu Phe Tyr Leu Ala Met Pro Phe
210          85              90              95
212 Ala Thr Pro Met Glu Ala Glu Leu Ala Arg Arg Ser Leu Ala Gln Asp
213          100             105             110
215 Ala Pro Pro Leu Pro Val Pro Gly Val Leu Leu Lys Glu Phe Thr Val
216          115             120             125
218 Ser Gly Asn Ile Leu Thr Ile Arg Leu Thr Ala Ala Asp His Arg Gln
219          130             135             140
221 Leu Gln Leu Ser Ile Ser Ser Cys Leu Gln Gln Leu Ser Leu Leu Met
222 145             150             155             160
224 Trp Ile Thr Gln Cys Phe Leu Pro Val Phe Leu Ala Gln Pro Pro Ser
225          165             170             175
227 Gly Gln Arg Arg
228          180

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VERIFICATION SUMMARY

DATE: 02/08/2002

PATENT APPLICATION: US/10/023,182

TIME: 17:15:00

Input Set : N:\Crf3\RULE60\10023182.txt

Output Set: N:\CRF3\02082002\J023182.raw

L:5 M:220 C: Keyword misspelled or invalid format, [(i) APPLICANT:]
L:32 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]
L:33 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]
L:35 M:220 C: Keyword misspelled or invalid format, [(vii) PRIOR APPLICATION DATA:]
L:80 M:111 C: (47) String data converted to upper case,
M:111 Repeated in SeqNo=1

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